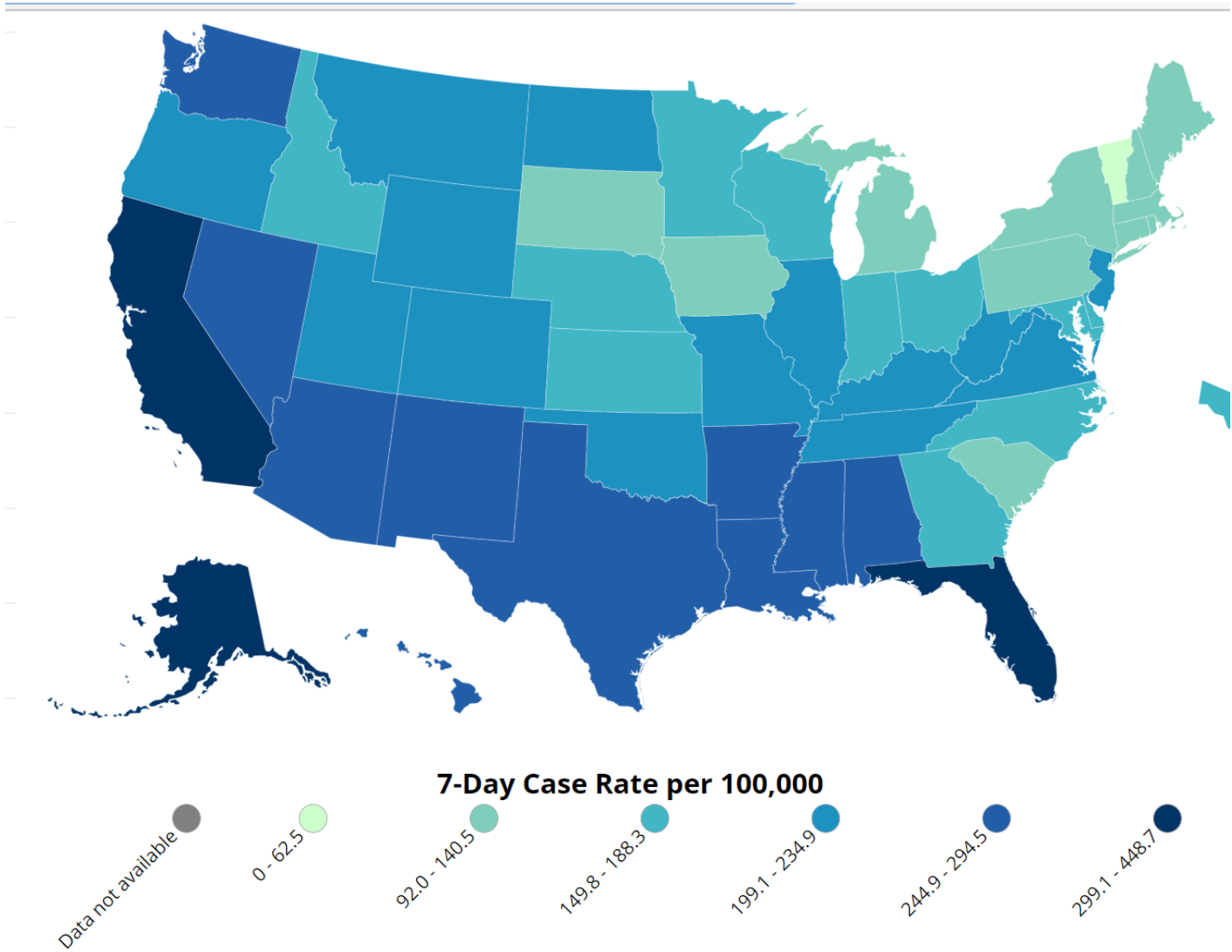

Virginia COVID-19 Surveillance Data Update

July 14, 2022



US COVID-19 7-Day Case Rate per 100,000, by State/Territory

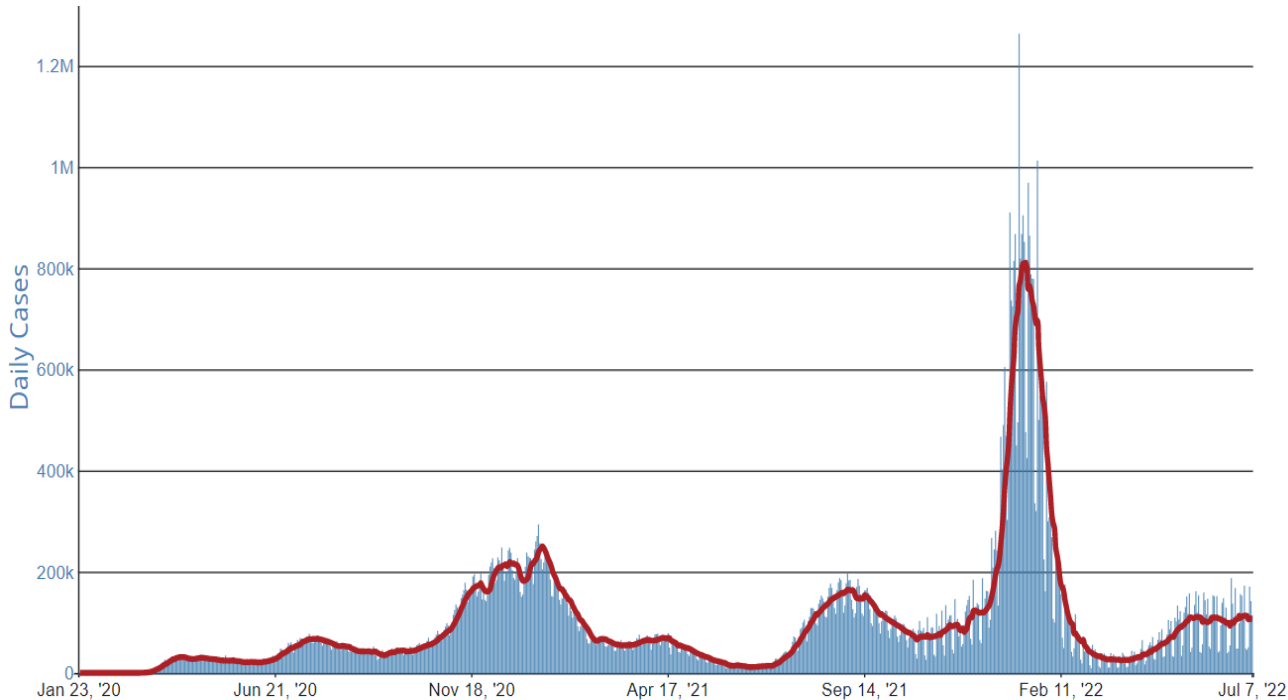


7 Day Case Rates per 100k

US and Virginia	
United States	223.5 (-6.1%)
Virginia	215 (-6.1%)
Virginia's Neighboring States	
Rates Lower than Virginia	
Maryland	151 (-10.6%)
North Carolina	157.1 (-35.6%)
District of Columbia	175.7 (-16.7%)
Rates Higher than Virginia	
Tennessee	227.6 (-7.9%)
West Virginia	227.1 (+3.2%)
Kentucky	216.4 (-0.7%)
Areas with the Highest Case Rates	
California	345.4 (+2.8%)
Florida	315.7 (-8.0%)
New York City	311.8 (+1.9%)

* North Carolina's case rate % change is likely due to a lag in data reporting

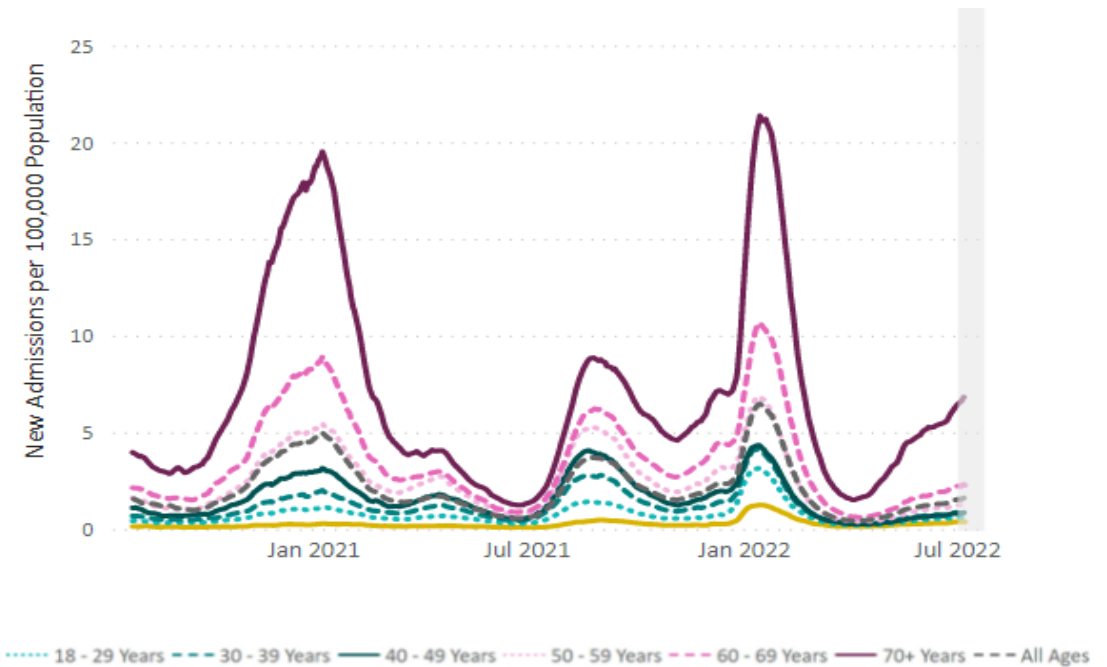
Daily Trends in Number of COVID-19 Cases, United States



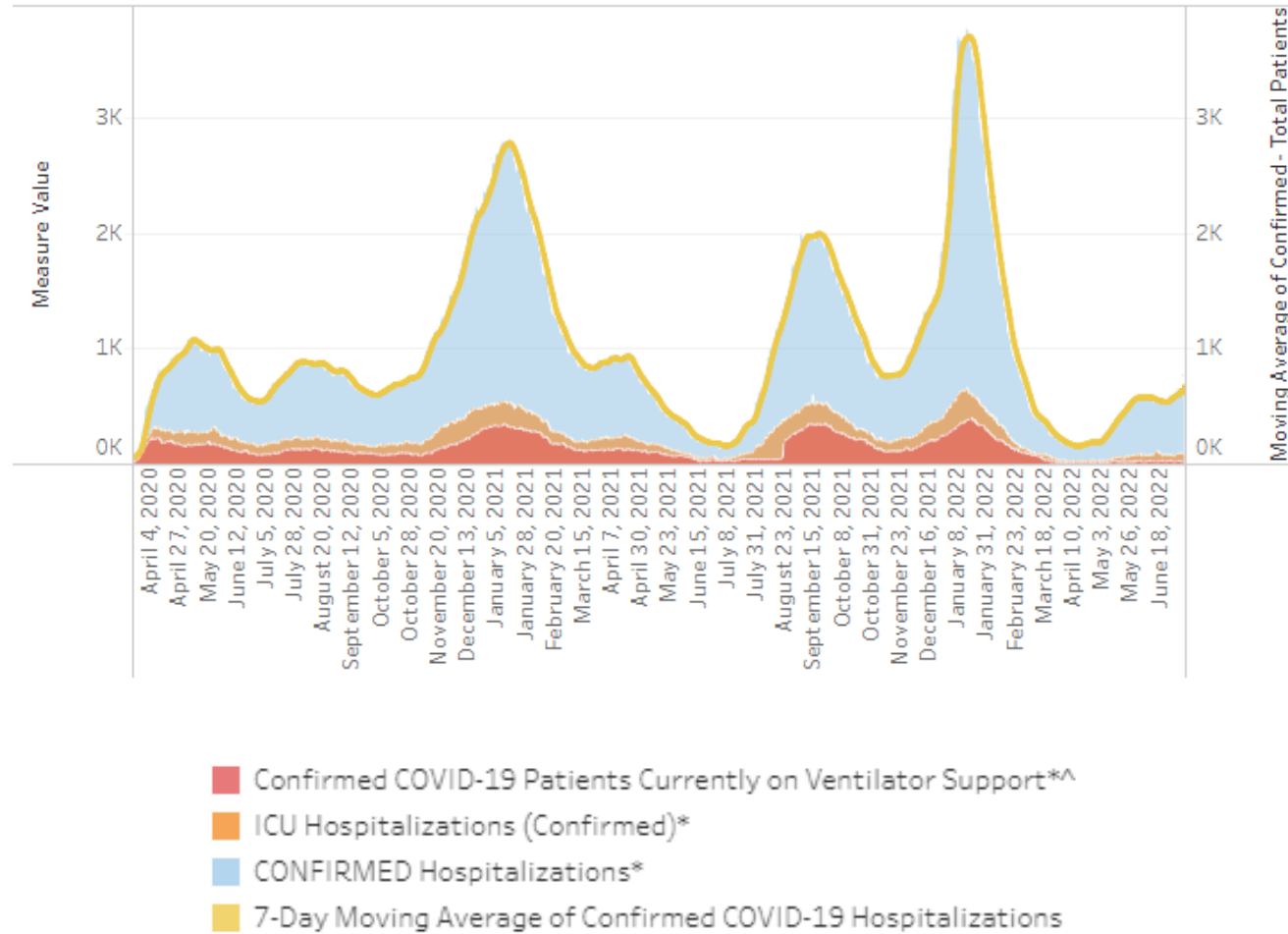
* Compared to last week:

- **Cases decreased** to 106,021 per day (-5.6%)
- **Hospitalizations increased** to 5,312 per day (+4.5%)
- **Deaths decreased** to 277 per day (-18.8%)

New Admissions of Patients with COVID-19, United States, By Age Group



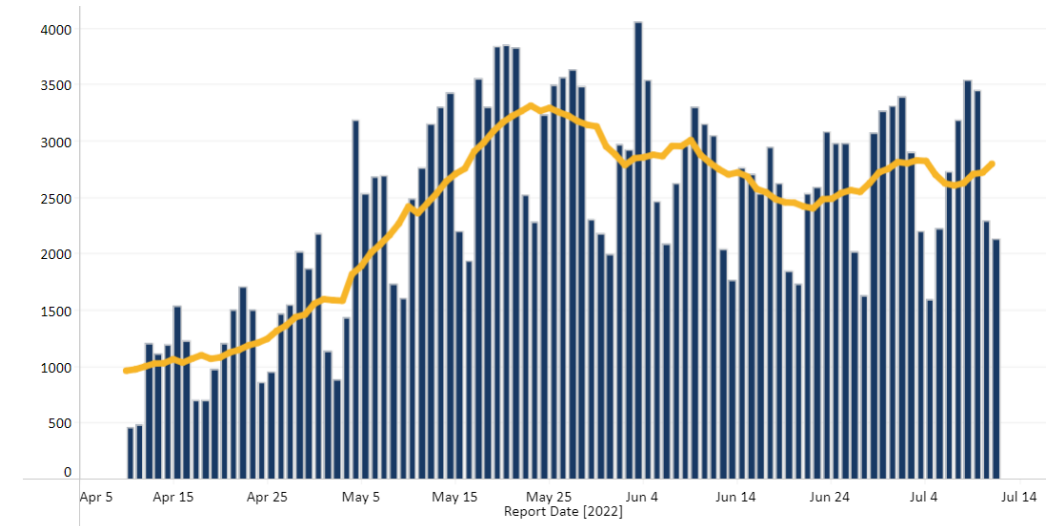
COVID-19 Hospitalization Trends, Virginia



* Compared to last week:

- **Case rates** per 100k **decreased** to 215.4 from 230.7 per day (-6.6%)
- **Hospitalizations increased** to 615 from 558 per day (+10.2%)
- **ICU hospitalizations increased** to 98 from 84 (+16.7%) (confirmed; not 7-day MA)
- **7 Day Moving Average of New Deaths** is 13

Total Cases by Date Reported, Virginia

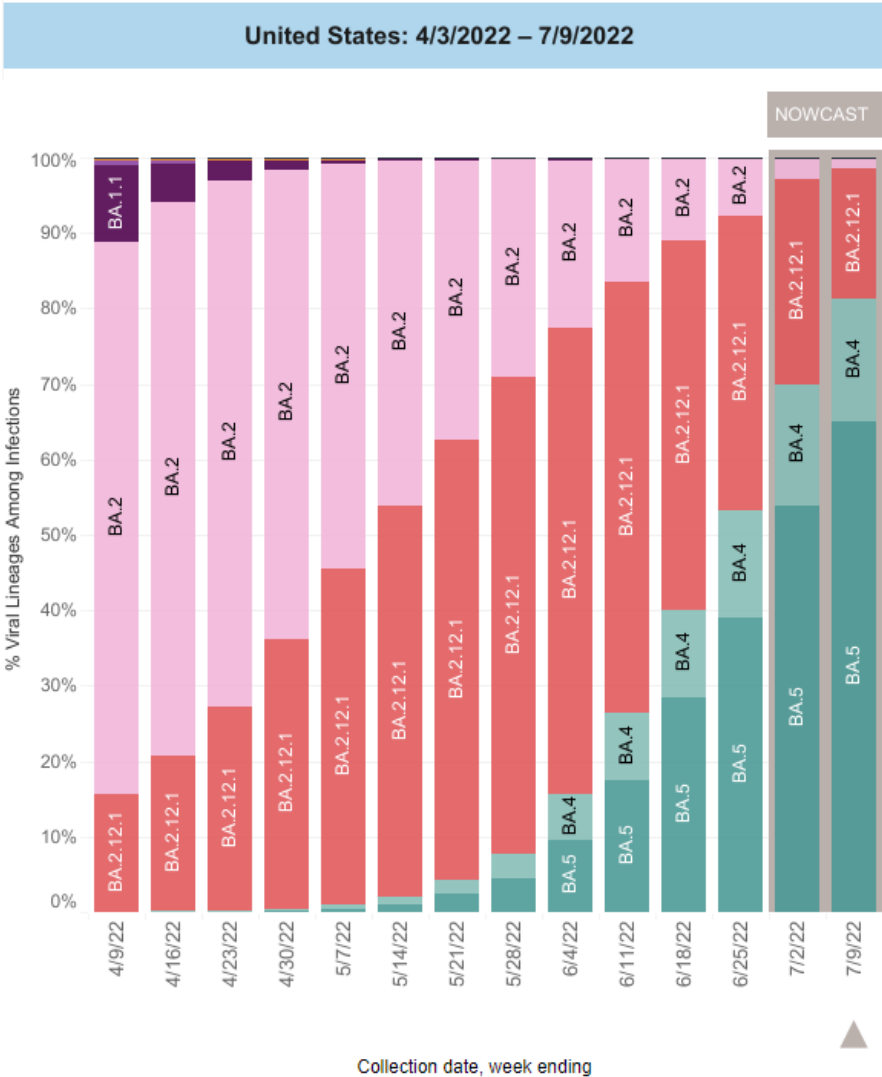


Source: [Cases – Coronavirus \(virginia.gov\)](https://www.virginia.gov/coronavirus/cases), [VHHA Hospitalizations – Coronavirus \(virginia.gov\)](https://www.virginia.gov/coronavirus/hospitalizations)

*Data comparisons: Friday-Friday, Unless noted, all data represents a 7-day moving average; † Death data is usually delayed in reporting

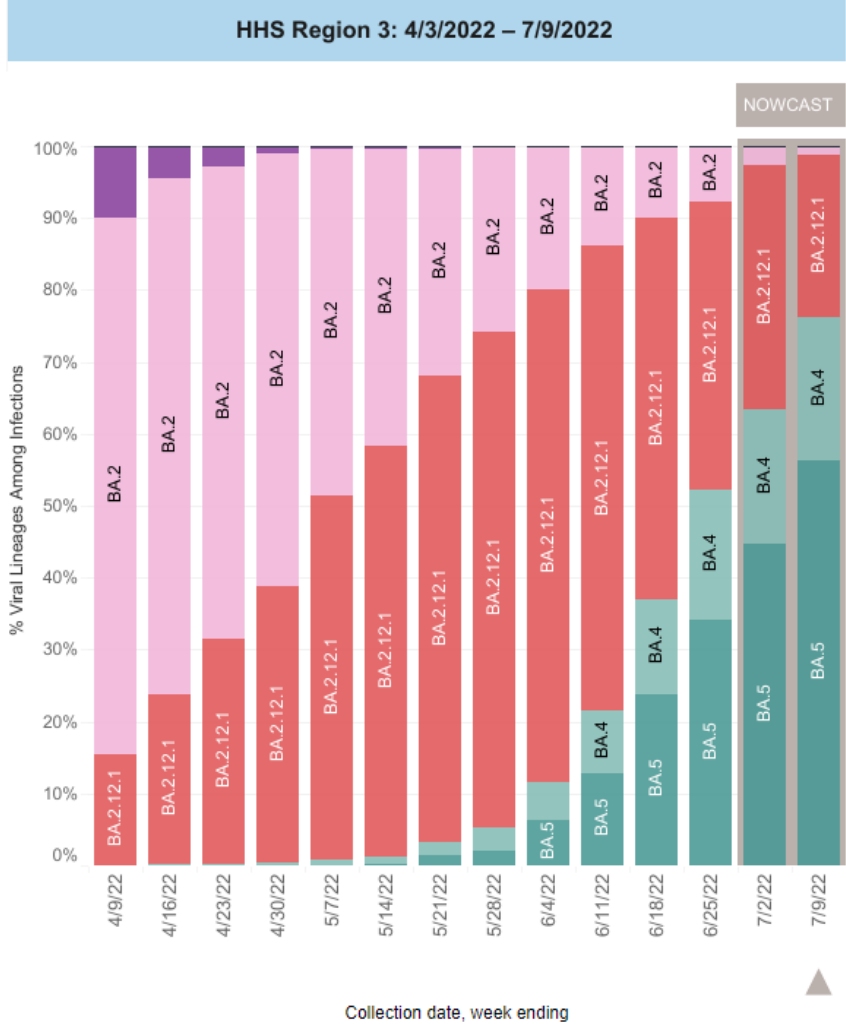
Nationally: As of 7/9/2022

- BA.5 accounts for 65% of cases
- BA.2.12.1 accounts for 17.3% of cases
- BA.4 accounts for 16.3% of cases



HHS Region 3: As of 7/9/2022

- BA.5 accounts for 56.3% of cases
- BA.2.12.1 accounts for 22.6% of cases
- BA.4 accounts for 19.8% of cases



Metrics date: 7/08/2022

New cases per 100k within the last 7 days

% Positivity 7-day moving average

COVID-like ED visits rate per 100k

Central

221.8



Eastern

198.6



Far Southwest

254.4



Near Southwest

199.5



Northern

238.9



Northwest

188.3



23.9%



25.2%



28.0%



27.0%



20.9%



21.0%



18.7



13.8



15.6



16.5



8.5



11.4



Burden	Level 0	Level 1	Level 2	Level 3	Level 4
New Cases	<10	10-49		50-100	>100
% Positivity	<3	3-5	5-8	8-10	>10
CLI ED Visits	<4		4-5.9		≥6

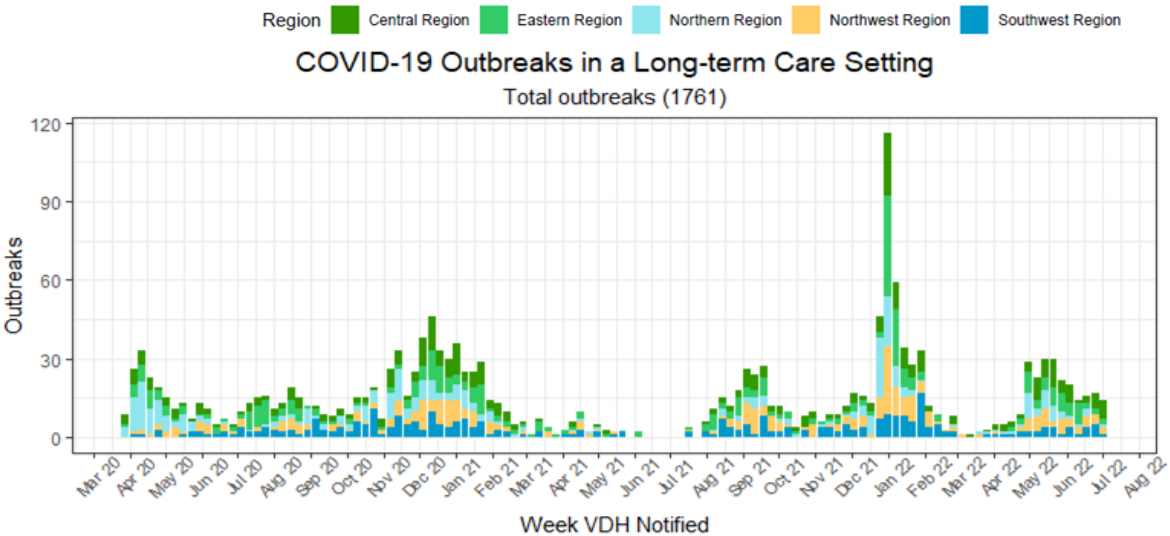
Symbol	Trend
↑	Increasing
↓	Decreasing
○	Fluctuating

COVID-19 Burden in Virginia LTCFs

Key Trends

- There were 81 LTCF COVID-19 outbreaks reported in the past 30 days: 18 in Eastern, 23 in Central, 16 in Northwest, 6 in Northern, and 18 in Southwest (see figure top right).
- The number of reported nursing home resident and staff cases remains elevated (see figure bottom right).
 - For the reporting week ending July 10, 2022, 229 resident and 262 staff cases were reported to NHSN. Data for this reporting week are preliminary.
- For reporting week ending July 3, 2022, data reported by 283 nursing homes showed 89% of residents were fully vaccinated; data reported by 283 nursing homes showed 95% of staff were fully vaccinated (see figures bottom left).
 - Of the nursing home residents eligible to receive an additional dose or booster, **83% of residents have received an additional dose or booster** of COVID-19 vaccine.
 - Of the nursing home healthcare personnel eligible to receive an additional dose or booster, **43% of staff have received an additional dose or booster** of COVID-19 vaccine.

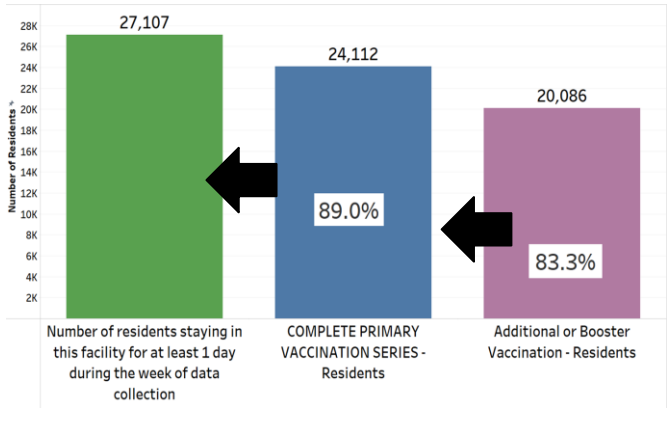
Number and Region of LTCF COVID-19 Outbreaks by Date VDH Notified



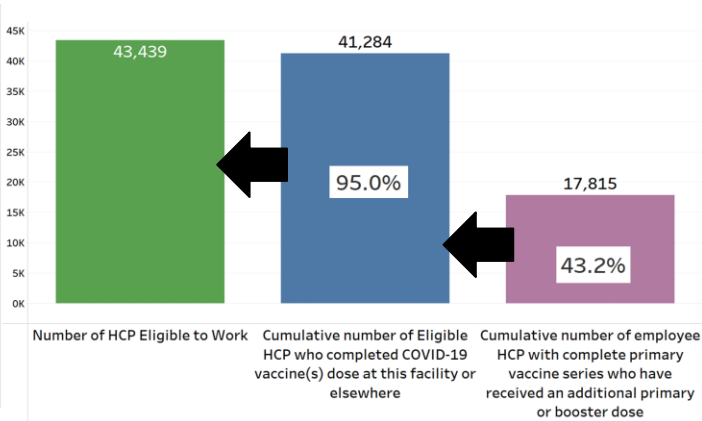
Outbreaks reported from nursing homes, assisted living facilities, and multicare facilities to VDH with a confirmed or suspected etiologic agent of SARS-CoV-2. Data are from the Virginia Outbreak Surveillance System as of 7/11/2022; data are retrospectively updated and subject to change.

COVID-19 Booster Vaccination in Virginia Nursing Homes

Nursing Home Residents

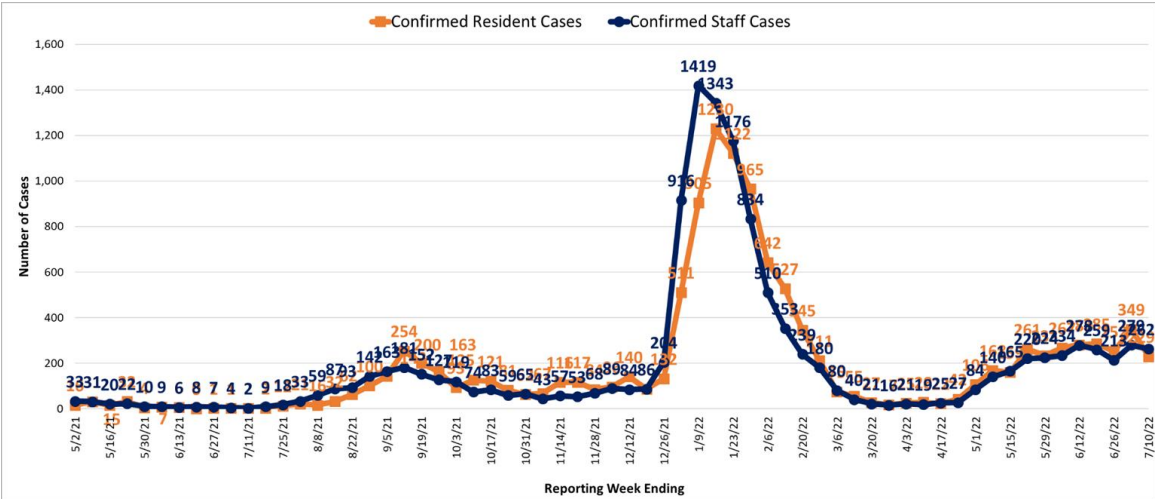


Nursing Home Staff



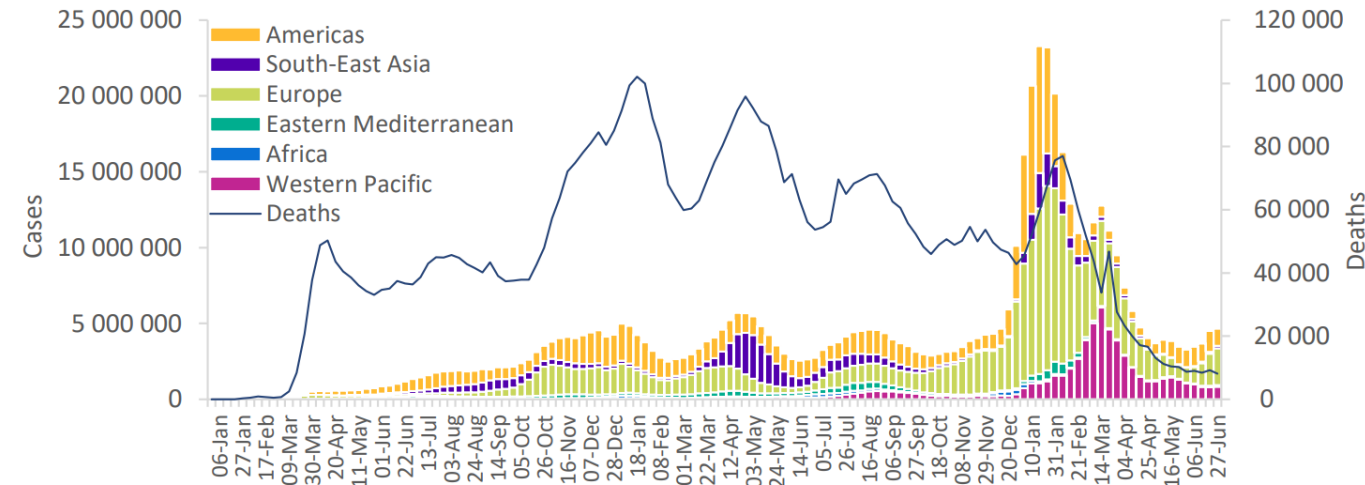
Data were reported by 286 Virginia nursing homes into the National Healthcare Safety Network (NHSN) as of 7/11/2022 and are subject to change, including booster eligibility per [updated vaccine guidance](#). In Virginia, 283 nursing homes reported resident vaccination data for reporting week ending 7/3/2022; 283 nursing homes reported staff vaccination data for reporting week ending 7/3/2022. For staff type definitions, refer to [NHSN Table of Instructions](#).

Nursing Home Resident and Staff COVID-19 Cases



Data are from NHSN as of 7/11/2022 and are subject to change. For reporting information, please refer to the NHSN data collection forms: [residents](#), [staff](#).

COVID-19 Cases Reported Weekly by WHO Region and Global Deaths as of July 3, 2022



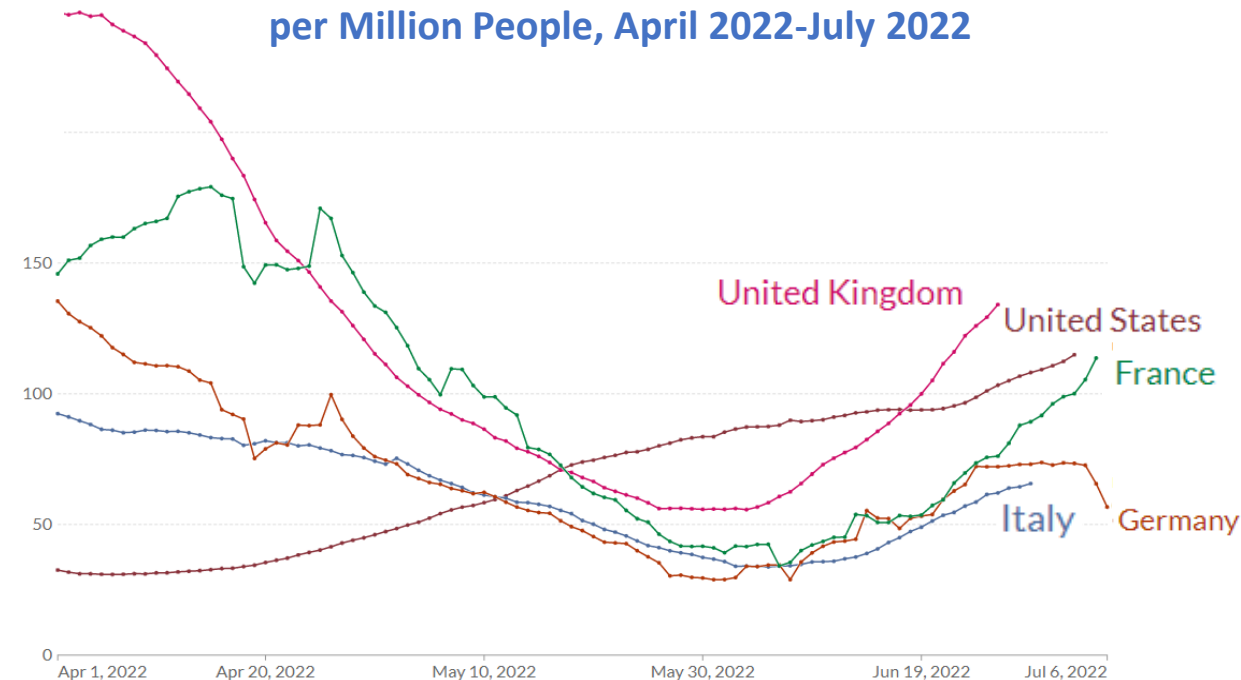
Global Trends

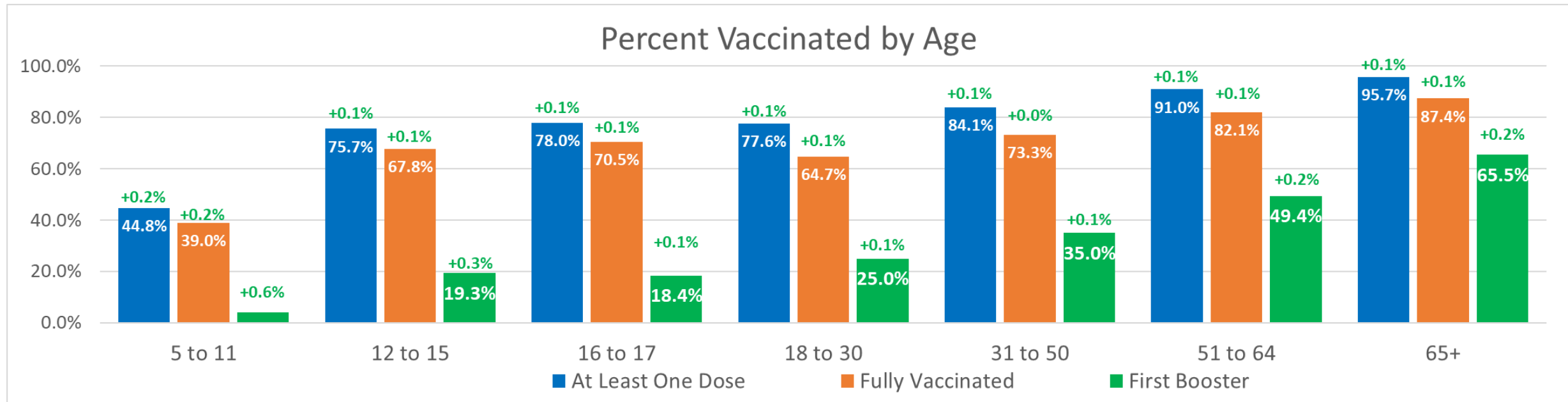
- Weekly cases **increased for the 4th consecutive week** after declining from the last peak in March 2022 (due to a decrease in testing, detected cases are lower than actual case counts).
- The variant proportion of **BA.5 increased from 37% to 52%** from the week ending June 18 to the week ending June 25 making it the current dominant variant. BA.4 increased from about 11% to 12%.
- Highest current new weekly case rates were reported from France, Germany, Italy, US, and Brazil.
- In some countries, **the rise in cases has resulted in a rise in hospitalizations and deaths.**

New Variant Detected

- A new sub-lineage of the Omicron variant, **BA.2.75, was detected in India in early June**, and about 10 other countries, including the US.
- In **India**, cases increased about **27% from two weeks ago**; deaths increased about 49%.
- BA.2.75 has mutations on the receptor binding domain of the spike protein.
- Currently **unknown if it is more immune evasive** or clinically severe.

Weekly New Hospital Admissions for COVID-19 per Million People, April 2022-July 2022



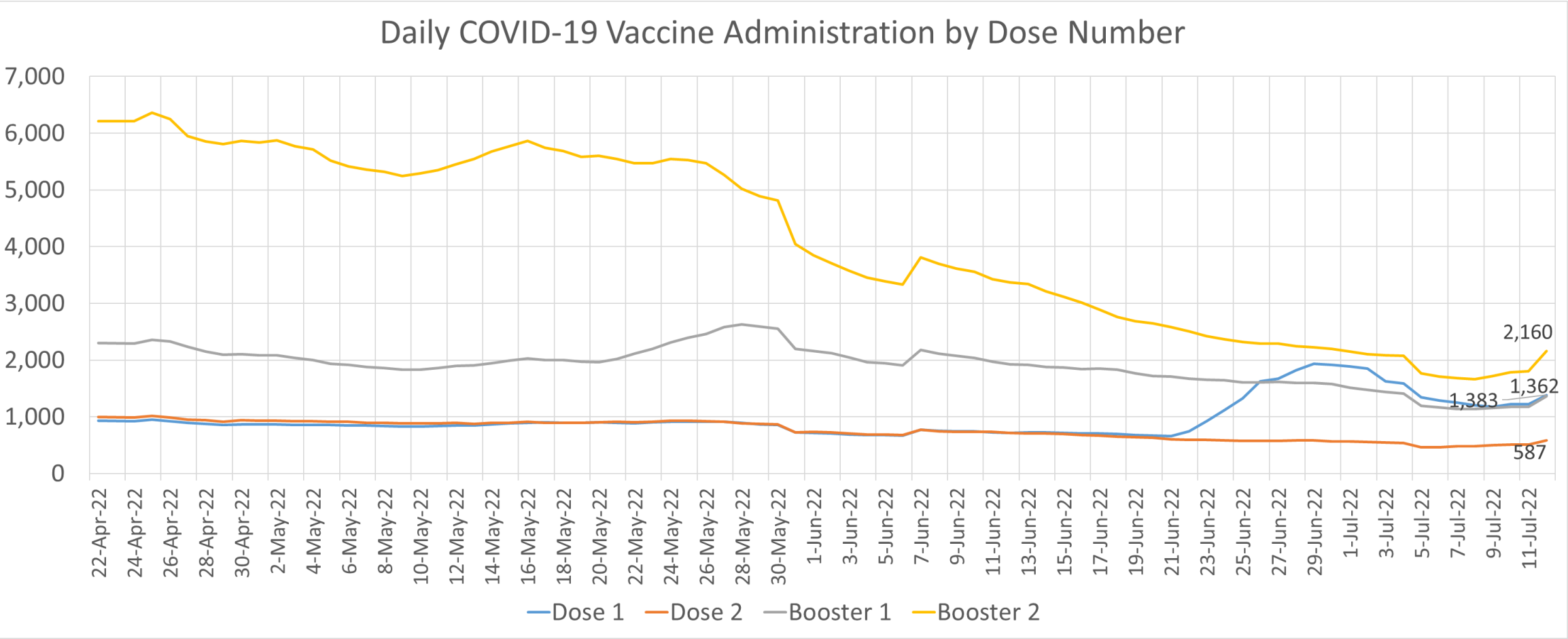


Virginia Vaccination by Age

- ✓ **71.7%** of the Total Population is Fully Vaccinated after an updated in Booster Logic and on-going Data Quality efforts
- ✓ **24.1%** of the Total Population is “Up-to-Date” with their Vaccinations
- ✓ **34.9%** of Total Population Vaccinated with a First Booster and **30.5%** of the Total Eligible Population with a Second Booster
- ✓ There have been **28,504** Boosters administered to 5 to 11 year olds (**12%** of those eligible)
 - Green percent represents percent increase from two weeks prior

Vaccine Administrations by Dose Type

- There has been an uptick in vaccinations following the decline during the 4th of July Holiday Period



Vaccination Update for Young Children: Pfizer 6mo to 4 year old and Moderna 6mo to 5 year old Vaccine

Updated 7/13/22

- There have been 19,289 First doses administered to the under 5 population since June 20th, 2022
- The total 6 month to 4 year old First Dose Vaccination Rate is about 4.4%
- In locations that administered both Moderna and Pfizer, Moderna uptake was 2.1x higher

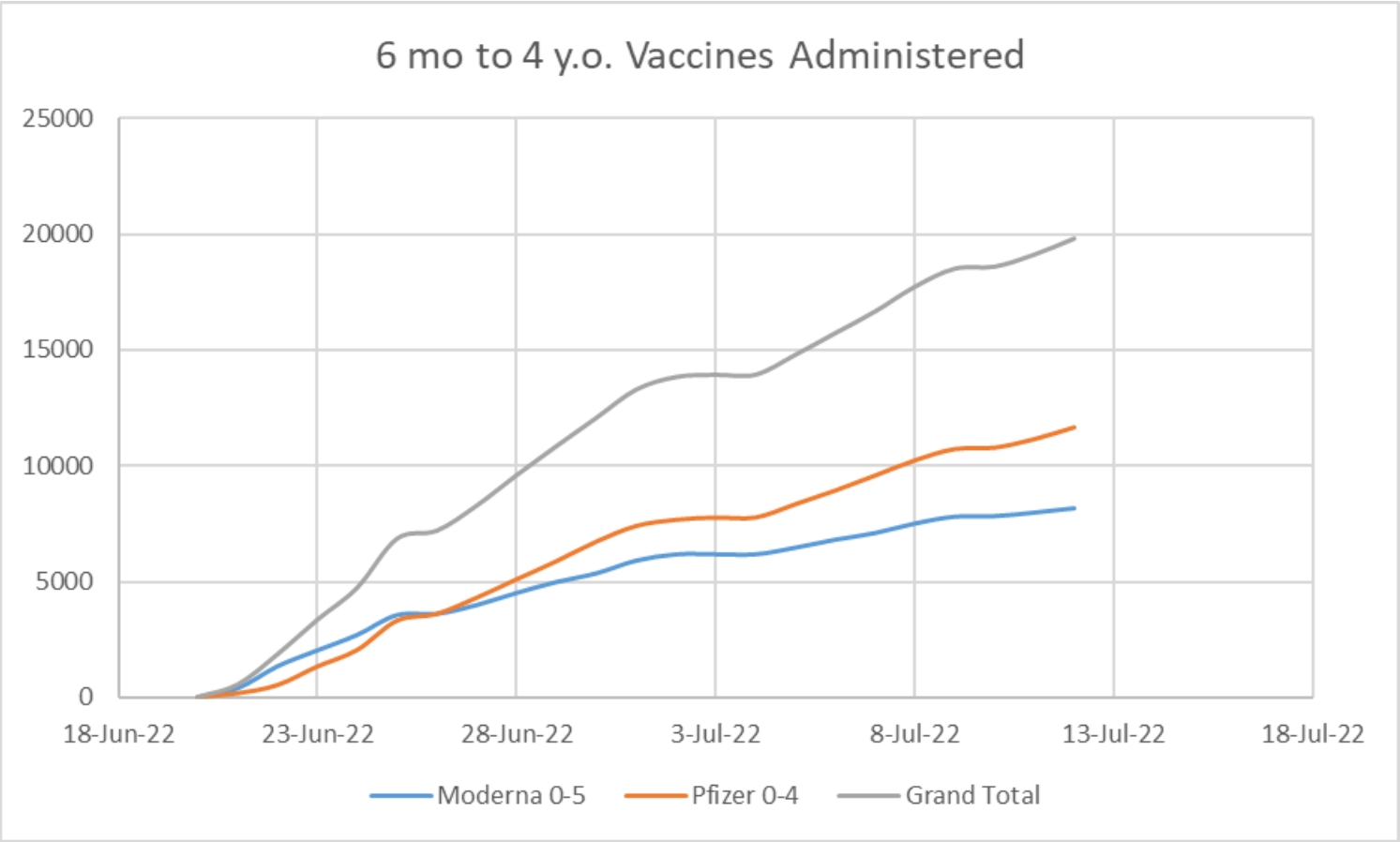
Vaccination Rate by Age

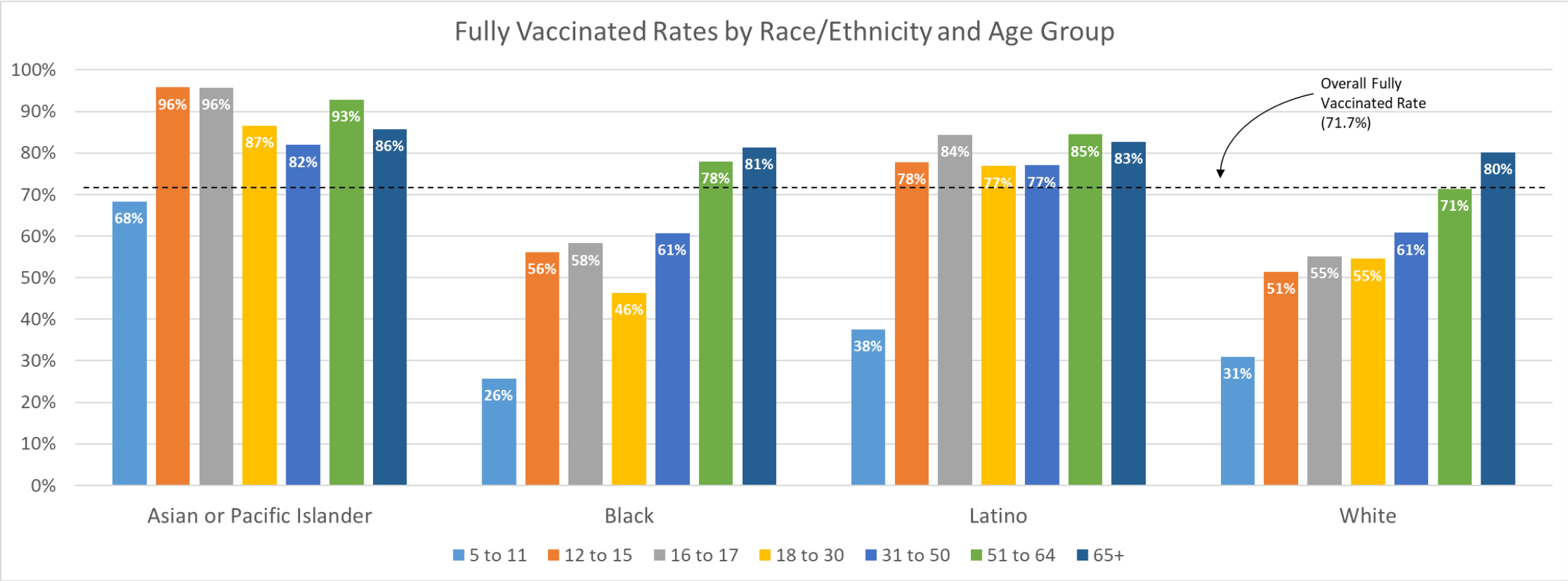
Age	1st dose rate
0	3.2%
1	3.6%
2	4.5%
3	4.9%
4	5.1%
5	46.3%

**5 year old includes Pfizer 5 to 11 Vaccine since Nov 2021*

Regional Vax Rate for 6 mo. to 4 year olds

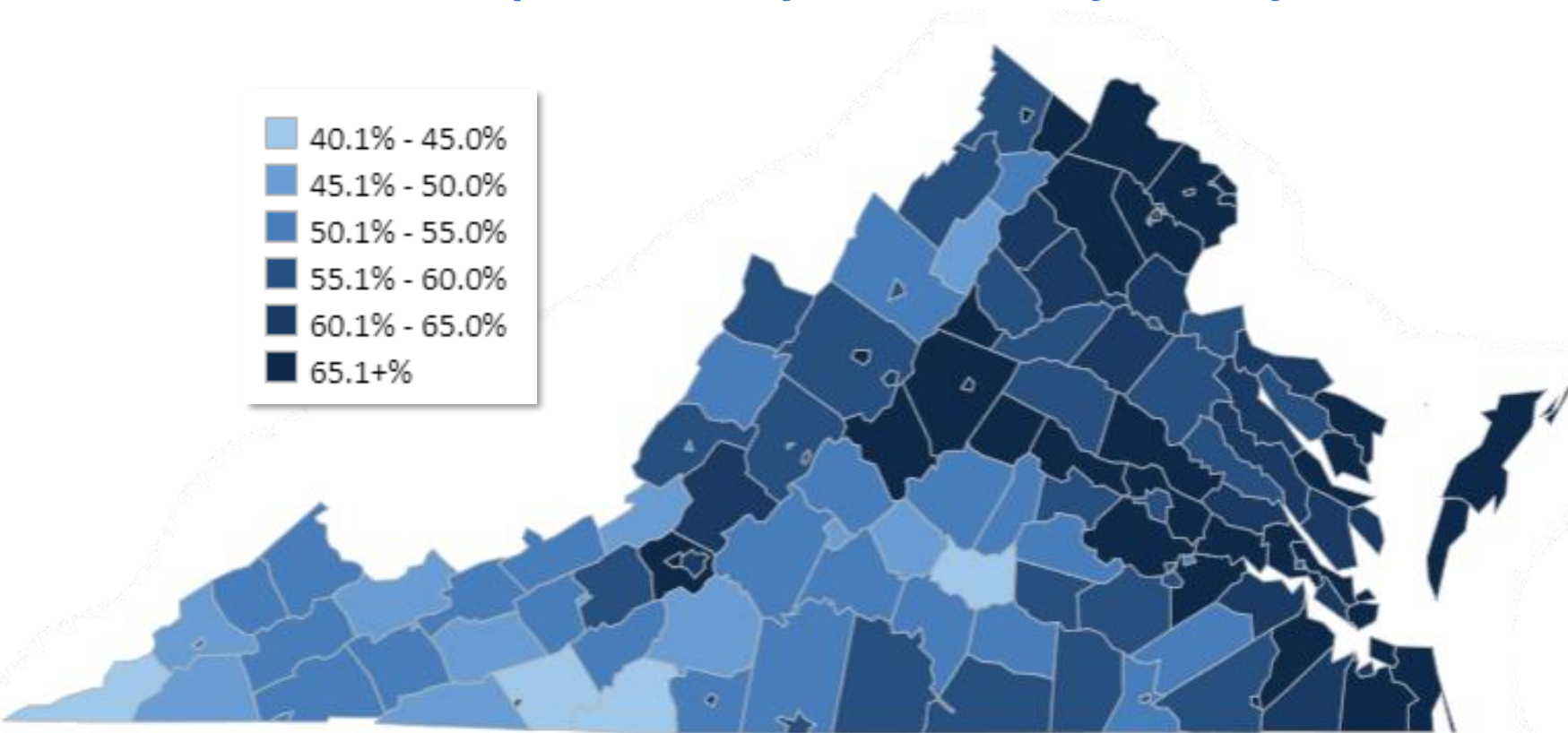
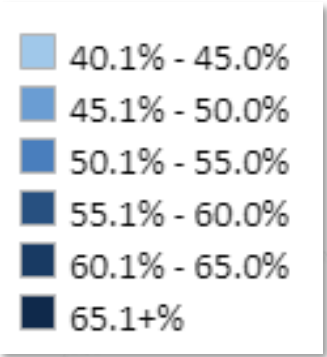
Region	1st Dose Rate
Central	3.3%
Eastern	1.2%
Northern	6.9%
Northwest	3.1%
Southwest	1.0%
Grand Total	4.4%





Change in Fully Vaccinated	5 to 11	12 to 15	16 to 17	18 to 30	31 to 50	51 to 64	65+
Asian or Pacific Islander	0.4%	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%
Black	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%
Latino	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%
White	0.1%	0.1%	0.0%	0.1%	0.0%	0.1%	0.1%

Percent of the Total Population Fully Vaccinated by Locality



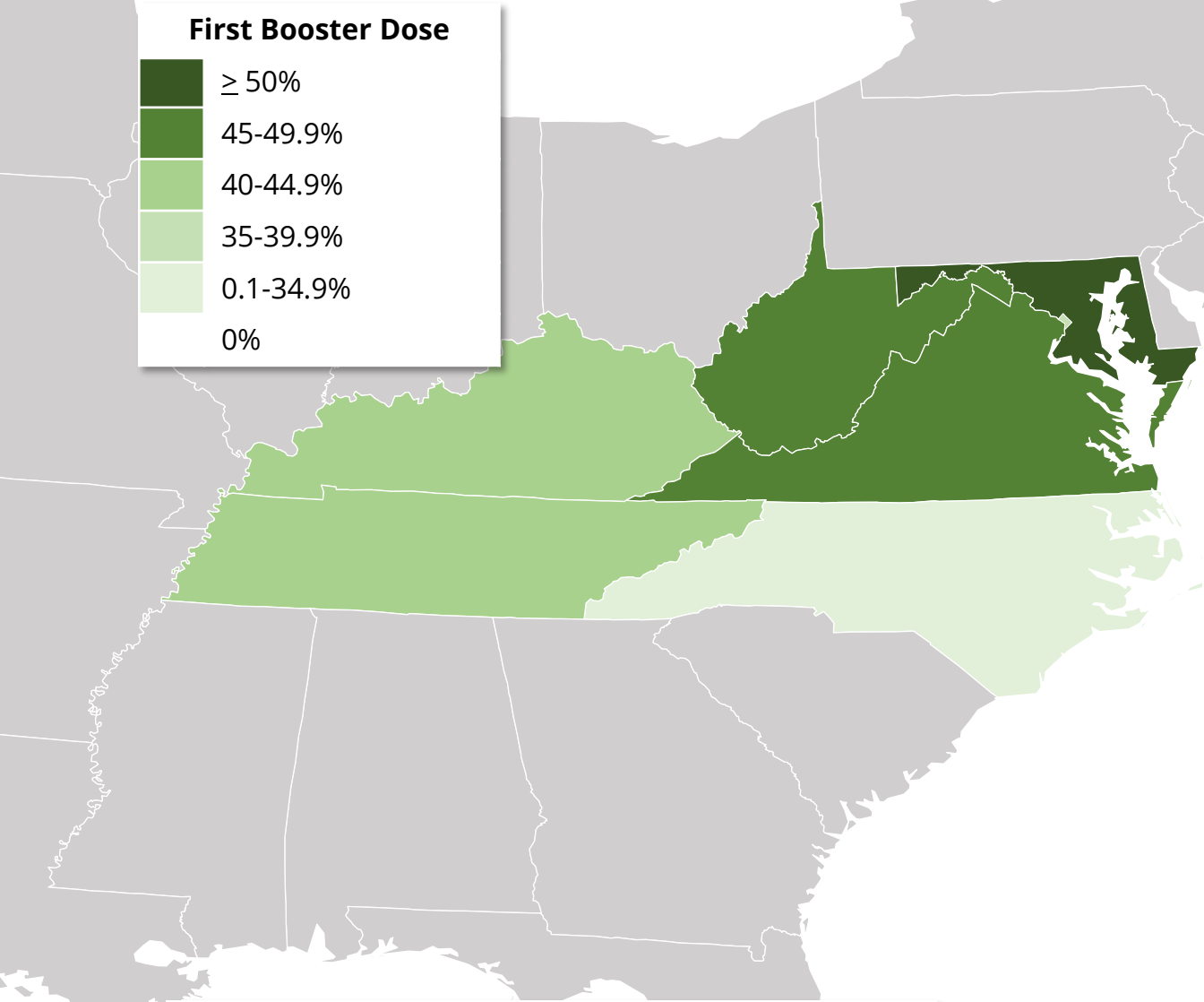
2013 SRHP Isserman Classification

Change in Rate	5 to 11	12 to 17	16 to 17	18 to 30	31 to 50	51 to 64	65+	Total
Mixed Urban	0.8%	0.1%	-0.1%	0.1%	0.1%	0.1%	0.1%	0.2%
Urban	0.5%	0.1%	0.0%	0.1%	0.1%	0.1%	0.1%	0.1%
Mixed Rural	0.8%	0.0%	-0.1%	0.1%	0.0%	0.0%	0.1%	0.1%
Rural	0.8%	0.0%	-0.1%	0.0%	0.0%	0.0%	0.1%	0.1%
Grand Total	0.6%	0.1%	-0.1%	0.1%	0.1%	0.1%	0.1%	0.1%

Vaccination Rates by Region

Health Region	Fully Vaccinated	Change
Central	63.5%	0.1%
Eastern	59.6%	0.1%
Northern	74.6%	0.2%
Northwest	61.2%	0.1%
Southwest	54.0%	0.1%

- 17 out of 133 Localities have a fully vaccinated rate below 50%
- 18 out of 133 Localities have a fully vaccinated rate above 70%
- There is a disparity across Urban and Rural areas by Age Groups, with Rural Adolescents the Lowest Vaccinated group



	At Least One Dose*	Fully Vaccinated*	First Booster Dose**
Nationwide	78.1% (+0.3%)	66.9% (+0.3%)	47.3% (+0.9%)
D.C.	95% (+0%)	76.2% (+-3.2%)	40.8% (+-1.2%)
Kentucky	66.6% (+0.2%)	57.8% (+0.2%)	45.1% (+0.4%)
Maryland	87.3% (+0.2%)	76.4% (+0.3%)	52.2% (+0.8%)
North Carolina	85.6% (+0.5%)	62.4% (+0.5%)	27.3% (+1.1%)
Tennessee	62.6% (+0.2%)	55% (+0.4%)	45% (+0.7%)
Virginia**	86.5% (+0.2%)	74% (+0.3%)	48.4% (+0.8%)
West Virginia	65.5% (+0.3%)	58.1% (+0.3%)	46.6% (+0.4%)

*Total population, includes out-of-state vaccinations
**Percent of fully vaccinated people with a booster dose
***Differs from previous slide because all vaccination sources (e.g., federal) are included